

**IFWO** 

RAW SEQUENCE LISTING

DATE: 08/26/2004

PATENT APPLICATION: US/10/807,635A

TIME: 11:05:31

Input Set : D:\51158-20011.11 - seq list (txt).txt

```
3 <110> APPLICANT: Daniel E.H. Afar
        Rene S. Hubert
 4
        Kahan Leong
        Arthur B. Raitano
 6
        Douglas C. Saffran
7
 9 <120> TITLE OF INVENTION: NOVEL 13-TRANSMEMBRANE PROTEIN EXPRESSED
        IN PROSTATE CANCER
12 <130> FILE REFERENCE: 51158-20011.11
14 <140> CURRENT APPLICATION NUMBER: US 10/807,635A
15 <141> CURRENT FILING DATE: 2004-03-23
17 <150> PRIOR APPLICATION NUMBER: US 10/285,045
18 <151> PRIOR FILING DATE: 2002-10-30
20 <150> PRIOR APPLICATION NUMBER: US 09/547,789
21 <151> PRIOR FILING DATE: 2000-04-12
23 <150> PRIOR APPLICATION NUMBER: 60/128,858
                                                                ENTERED
24 <151> PRIOR FILING DATE: 1999-04-12
26 <160> NUMBER OF SEQ ID NOS: 71
28 <170> SOFTWARE: FastSEQ for Windows Version 4.0
30 <210> SEQ ID NO: 1
31 <211> LENGTH: 2585
32 <212> TYPE: DNA
33 <213> ORGANISM: Homo sapiens
35 <220> FEATURE:
36 <221> NAME/KEY: CDS
37 <222> LOCATION: (4)...(2136)
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      Met Gly Gly Lys Gln Arg Asp Glu Asp Asp Glu Ala Tyr Gly Lys
41
42
44 cca gtc aaa tac gac ccc tcc ttt cga ggc ccc atc aag aac aga agc
                                                                          96
45 Pro Val Lys Tyr Asp Pro Ser Phe Arg Gly Pro Ile Lys Asn Arg Ser
                    20
                                        25
48 tgc aca gat gtc atc tgc tgc gtc ctc ttc ctg ctc ttc att cta ggt
                                                                         144
49 Cys Thr Asp Val Ile Cys Cys Val Leu Phe Leu Leu Phe Ile Leu Gly
50
                                                                         192
52 tac atc gtg gtg ggg att gtg gcc tgg ttg tat gga gac ccc cgg caa
53 Tyr Ile Val Val Gly Ile Val Ala Trp Leu Tyr Gly Asp Pro Arg Gln
           50
                                55
54
                                                                         240
56 qtc ctc tac ccc agg aac tct act ggg gcc tac tgt ggc atg ggg gag
57 Val Leu Tyr Pro Arg Asn Ser Thr Gly Ala Tyr Cys Gly Met Gly Glu
                            70
                                                                         288
60 aac aaa gat aag ccg tat ctc ctg tac ttc aac atc ttc agc tgc atc
61 Asn Lys Asp Lys Pro Tyr Leu Leu Tyr Phe Asn Ile Phe Ser Cys Ile
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65	Leu	Ser	Ser	Asn	Ile	Ile	Ser	Val	Ala	Glu	Asn	Gly	Leu	Gln	Cys	Pro	
66					100					105					110		
68	aca	CCC	cag	gtg	tgt	gtg	tcc	tcc	tgc	ccg	gag	gac	cca	tgg	act	gtg	384
69	Thr	Pro	Gln	Val	Cys	Val	Ser	Ser	Cys	Pro	Glu	Asp	Pro	$\operatorname{Trp}$	Thr	Val	
70				115					120					125			
7.2	gga	aaa	aac	gag	ttc	tca	cag	act	gtt	ggg	gaa	gtc	ttc	tat	aca	aaa	432
73	Gly	Lys	Asn	Glu	Phe	Ser	Gln	Thr	Val	Gly	Glu	Val	Phe	Tyr	Thr	Lys	
74			130					135					140				
				ttt					-				_	_			480
	Asn		Asn	Phe	Cys	Leu		Gly	Val	Pro	Trp		Met	Thr	Val	Ile	
78		145					150					155					
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		Ser	Leu	Gln	Gln		Leu	Cys	Pro	Ser		Leu	Leu	Pro	Ser	Ala	
	160					165					170					175	
		_	_	ggg	_	_									_		576
85	Pro	Ala	Leu	Gly	Arg	Cys	Phe	Pro	Trp	Thr	Asn	Val	Thr	Pro	Pro	Ala	
.86					180					185					190		
				atc													624
	Leu	Pro	Gly	Ile	Thr	Asn	Asp	Thr		Ile	Gln	Gln	Gly		Ser	Gly	
90				195					200					205			
			-	agc			_	_	_		_	_	_			_	672
	Leu	Ile		Ser	Leu	Asn	Ala	_	Asp	Ile	Ser	Val	_	Ile	Phe	Glu	
94			210					215					220				
				cag													720
	Asp		Ala	Gln	Ser	Trp		Trp	He	Leu	Val		Leu	GLY	Val	Ala	
98		225					230					235					<b>7.</b> 00
						_			_		_	_			_	999	768
			L Let	Ser	Leu			TTe	ьeu	. ьег		_	l rer	ı val	. Ala	Gly	•
	240					245					250					255	016
																tac	816
		) те	ı vaı	ьeu			ше	ьeu	. Сту			. Сту	val	. ьес		Tyr	
106			. +	+	260			~~~	+	265		ata			270		964
										cga	. grg	Cro	, cgs	g gac		ggc	864
110	, ста	, тте		· • • • • • • • • • • • • • • • • • • •	C	T-2-2-2	. ~1	~	П					7 ~~~	T		
			i iyi			Trp	Glu	Glu	_	Arç	y Val			_	_	GLY.	
117	)			275					280	Arg		Leu	Arç	285			012
	gad )	tac	ato	275 tcc	cag	ctg	ı ggt	ttc	280 acc	acc	aac	Leu	Arg agt	285 gcc	tac	: cag	912
113	) 2 gcc 3 Ala	tac	ato	275 tcc Ser	cag	ctg	ı ggt	ttc Phe	280 acc Thr	acc	aac	Leu	Arç agt Ser	285 gcc Ala	tac		912
113 114	) gcc Ala	tco Sei	ato 11e	275 tcc Ser	cag Gln	ctg Leu	ggt Gly	ttc Phe 295	280 acc Thr	acc Thr	aac Asn	Leu cto Leu	agt Ser 300	285 gcc Ala	tac Tyr	cag Gln	
113 114 116	) 2 gcc 3 Ala 4 5 agc	tco Sei	ato Ile 290	275 tcc Ser gag	cag Gln	ctg Leu	ggt Gly	ttc Phe 295 gcc	280 acc Thr	acc Thr	aac Asn	Leu cto Leu gtg	agt Ser 300	285 gcc Ala ) g gcg	tac Tyr	cag Gln	912
113 114 116 117	gcc gcc Ala agc Ser	tco Ser gto	ato Ile 290 J cag	275 tcc Ser gag	cag Gln	ctg Leu	ggt Gly ctg Leu	ttc Phe 295 gcc Ala	280 acc Thr	acc Thr	aac Asn	Lev cto Lev gtg Val	agt Ser 300 ttg	285 gcc Ala ) g gcg	tac Tyr	cag Gln	
113 114 116 117	gco gco Ala ago Ser	tco Sei gto Val	ato Ile 290 J cag	275 tcc Ser gag Glu	cag Gln acc Thr	tgg Trp	ggt Gly ctg Leu 310	ttc Phe 295 gcc Ala	280 acc Thr gcc Ala	acc Thr ctg	aac Asn atc	Lever ctoo	agt Ser 300 tto	285 gcc Ala ) g gcg i Ala	tac Tyr gtg	ctt Leu	960
113 114 116 117 118 120	gcc gcc Ala agc Ser gaa	tcc Ser gtg Val 305	ato 11e 290 g cag Gln	275 tcc Ser gag Glu	cag Gln acc Thr	ctg Leu tgg Trp	ggt Gly ctg Leu 310 atg	ttc Phe 295 gcc Ala	280 acc Thr gcc Ala	acc Thr ctg Leu	aac Asn atc Ile	Leu ctc Leu gtg Val 315	agt Ser 300 ttg Leu	285 gcc Ala ggcg Ala g gcg	tac Tyr gtg Val	cag Gln ctt Leu	
113 114 116 117 118 120 121	geographics (Control of the Control	tcc Ser Ser Val 305 gcc	ato 11e 290 g cag Gln	275 tcc Ser gag Glu	cag Gln acc Thr	tgg Trp	ggt Gly ctg Leu 310 atg	ttc Phe 295 gcc Ala	280 acc Thr gcc Ala	acc Thr ctg Leu	aac Asn atc Ile ctg	Leu cto Leu gtg Val 315 cgg	agt Ser 300 ttg Leu	285 gcc Ala ggcg Ala g gcg	tac Tyr gtg Val	cag Gln ctt Leu cgt	960
113 114 116 117 118 120 121 122	gcc gcc Ala Gagc Ser Gaa Glu	gto Ser Val 305 gco Ala	c ato 1le 290 g cag Glm ato	275 tcc Ser gag Glu ctg	cag Gln acc Thr ctg Leu	tgg Trp ctg Leu	g ggt Gly ctg Leu 310 atg	ttc Phe 295 gcc Ala ctc Leu	280 acc Thr gcc Ala atc	according the cto	aac Asn atc Ile ctg	Leu cto Leu gtg Val 315 cgg	agt Ser 300 tto Leu cag	285 gcc Ala g gcc n Ala g cgc	tac Tyr gtg Val	cag Gln ctt Leu cgt Arg 335	960
113 114 116 117 118 120 121 122 124	gcc gcc Ala agc Ser gaa Glu 320	gto Val 305 Ala	c atc 11e 290 g cag Gln G atc	275 tcc Ser gag Glu ctg Leu	cag Gln acc Thr ctg Leu	tgg Trp ctg Leu 325	g ggt Gly ctg Leu 310 atg Met	ttc Phe 295 gcc Ala ctc Leu	280 acc Thr gcc Ala atc Ile	according the ctg Leu ttc Phe ago	aac Asn atc Ile ctg Leu 330	Leu cto Leu gtg Val 315 cgg Arg	agt Ser 300 ttg Leu cag Glr	285 gcc Ala g gcg n Ala g cgg n Arg	tac tac Tyr gtg Val val att	cag Gln ctt Leu cgt Arg 335	960
113 114 116 117 118 120 121 122 124	gcc gcc Ala ago Ser gaa Glu 320 att	gto Val 305 Ala	c atc 11e 290 g cag Gln G atc	275 tcc Ser gag Glu ctg	cag Gln acc Thr ctg Leu	tgg Trp ctg Leu 325 ctg Leu	g ggt Gly ctg Leu 310 atg Met	ttc Phe 295 gcc Ala ctc Leu	280 acc Thr gcc Ala atc Ile	according the ctg Leu ttc Phe ago	aac Asn atc Ile ctg Leu 330 aag	Leu cto Leu gtg Val 315 cgg Arg	agt Ser 300 ttg Leu cag Glr	285 gcc Ala g gcg g Ala g cgg n Arg	tac tac Tyr gtg Val val att	cag cdn ctt Leu cgt Arg 335 atg	960

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132	tgc	att	gcc	tac	tgg	gcc	atg	act	gct	ctg	tac	ctg	gct	aca	tcg	999	1152
133	Cys	Ile	Ala	Tyr	Trp	Ala	Met	Thr	Ala	Leu	Tyr	Leu	Ala	Thr	Ser	Gly	
134			370					375					380				
136	caa	CCC	cag	tat	gtg	ctc	tgg	gca	tcc	aac	atc	agc	tcc	CCC	ggc	tgt	1200
137	Gln	Pro	Gln	Tyr	Val	Leu	Trp	Ala	Ser	Asn	Ile	Ser	Ser	Pro	Gly	Cys	
138		385					390					395					
140	gag	aaa	gtg	cca	ata	aat	aca	tca	tgc	aac	CCC	acg	gcc	cac	ctt	gtg	1248
141	Glu	Lys	Val	Pro	Ile	Asn	Thr	Ser	Cys	Asn	Pro	Thr	Ala	His	Leu	Val	
142	400					405					410					415	
144	aac	tcc	tcg	tgc	cca	999	ctg	atg	tgc	gtc	ttc	cag	ggc	tac	tca	tcc	1296
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146					420					425					430		
148	aaa	ggc	cta	atc	caa	cgt	tct	gtc	ttc	aat	ctg	caa	atc	tat	999	gtc	1344
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152	ctg	ggg	ctc	ttc	tgg	acc	ctt	aac	tgg	gta	ctg	gcc	ctg	ggc	caa	tgc	1392
153	Leu	Gly	Leu	Phe	Trp	Thr	Leu	Asn	$\operatorname{Trp}$	Val	Leu	Ala	Leu	Gly	Gln	Cys	
154			450					455					460				
	_						_				~ ~	~		cac	_		1440
157	Val	Leu	Ala	Gly	Ala	Phe	Ala	Ser	Phe	Tyr	${\tt Trp}$	Ala	Phe	His	Lys	Pro	
158		465					470					475					
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161	Gln	Asp	Ile	Pro	Thr	Phe	Pro	Leu	Ile	Ser		Phe	Ile	Arg	Thr		
	480					485					490					495	
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	Arg	Tyr	His	Thr	_	Ser	Leu	Ala	Phe		Ala	Leu	Ile	Leu		Leu	
166					500					505					510		
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	УаI	GIn	Ile		Arg	Val	He	Leu		Tyr	He	Asp	His	Lys	Leu	Arg	
170				515					520					525			1620
						_	-	_	-		-	_	-	ttc	_		1632
	GIA	vai		Asn	Pro	vaı	Ala	_	Cys	ше	мет	Cys		Phe	ьys	cys	
174			530					535					540				1,000
	_			_	_	_				_				cgc			1680
	Cys		Trp	Cys	ьeu	GIU	_	Pne	ше	гуѕ	Pne		Asn	Arg	ASII	Ala	
178		545					550					555			~~~		1700
			_											tca			1728
	_	тте	Met	ire	Ald		тут	GIY	ьуѕ	ASII	570	cys	vai	Ser	Ата		
182			++		a+ a	565	~ <b>+</b> ~		222	- <del></del>		200	~+ ~	at a	at a	575	1776
				-										gtc			1770
	ASII	Ald	rne	Mer	ьеи 580	ьец	Mer	Arg	ASII	585	vaı	Arg	vaı	Val	590	пеп	
186	~~~	222	at a	202		at~	at~	at~	++~		~~~	22~	a+~	at~		ata	1824
														ctg Leu			1024
199	ныр	пув	val	595	чер	neu	пеп	ьeu	600	FIIG	Gry	пув	шeu	605	val	val	
	~~~	~~~	at~		at a	at~	+ ~ ~	++~		+++	t+~	+ 00	aat	cgc	ato	ccc	1872
192	yya	gge	grg	999	guc	cug	LCC		LLL	ししし	LLC	CCC	994	cyc	acc	CCG	10/2

DATE: 08/26/2004 PATENT APPLICATION: US/10/807,635A TIME: 11:05:31

Input Set : D:\51158-20011.11 - seq list (txt).txt Output Set: N:\CRF4\08262004\J807635A.raw

194	191	Gly	Gly		Gly	Val	Leu	Ser		Phe	Phe	Phe	Ser	_	Arg	Ile	Pro	
197															_			
198																		1920
200   ccc atc atg acc tcc atc ctg ggg gcc tat gtc atc gcc agc ggc ttc   201   Pro   Tie Mt   The   Eur Gly   Ala   Tyr   Val   Tie   Ala   Ser   Gly   Phe   202   640   645   650   655   650   655   670   204   1   1   2   2   2   2   2   2   2   2		_		GLY	Lys	Asp	Phe	_	Ser	Pro	His	Leu		Tyr	Tyr	'I'rp	Leu	
Pro   Tie Met   Thr   Ser   Tie   Leu   Gly   Ala   Tyr   Val   Tie   Ala   Ser   Gly   Phe   202   640   645   645   645   655   655   655   655   640   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645   645																	•	
202   640   645   650   655   201   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016   2016																		1968
## 2016 the age git the age at git git git git git git git git git gi			Ile	Met	Thr	Ser		Leu	Gly	Ala	Tyr		Ile	Ala	Ser	Gly		
205																		
206   660   665   670   208   208   208   208   209   208   209   201   Asp   Leu   Glu   Arg   Asn   Asn   Gly   Ser   Leu   Asp   Arg   Pro   Tyr   Tyr   Met   675   680   685   685   685   680   685   685   681   682   682   685   681   682   685   681   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682   682																		2016
208 gaa gac ctg gag cgg aac aac ggc tcc ctg gac cgg ccc tac tac atg 209 Glu Asp Leu Glu Arg Asn Asn Gly Ser Leu Lasp Arg Pro Tyr Tyr Met 210 675 680 685 212 tcc aag agc ctt cta aag att ctg ggc aag aag aac gag gcg ccc ccg 2112 Ser Lys Ser Leu Leu Lys 11e Leu Gly Lys Lys Asn Glu Ala Pro Pro 214 690 695 700 216 gac aac aag aag agg aag aag tga cagetecege cetgatecag gactgcacec 217 Asp Asn Lys Lys Arg Lys Lys 218 705 710 220 caceceace gtccagecat ceaaceteac ttcgccttac aggetecat tttgtggtaa 221 aaaaaaggttt taggccaggc gccgtggctc acgcctgtaa tccaacactt ttgtgggtaa 222 aggegggcgg atcacetgag tcaagagtte gagacagact ggcacacet ttggtgaaacac 224 ctactcagga gdctgaagaca gagaaatagc ttgaaccagc gaagacagac tgcacacact ggtgaaacaca 225 ccgagatege gccactgcac tccaaceteg ttgaaccagc gaagacagagt gagacagagat gagacagaca gagacagacagac gagacagaga gagacagac	205	Phe S	Ser	Val	Phe	Gly	Met	Cys	Val	Asp	Thr	Leu	Phe	Leu	Cys	Phe	Leu	
209 Glu Asp Leu Glu Arg Asn Asn Gly Ser Leu Asp Arg Pro Tyr Tyr Met 675 680 685 685 685 685 685 685 685 685 685 685	206					660					665					670		
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212   tcc aag agc ctt cta aag att ctg ggc aag aag aac gag gcg ccc ccg   2112	209	Glu A	Asp	Leu	Glu	Arg	Asn	Asn	Gly	Ser	Leu	Asp	Arg	Pro	Tyr	Tyr	Met	
213 Ser Lys Ser Leu Leu Lys Ile Leu Gly Lys Lys Asn Glu Ala Pro Pro 214 690 695 700 216 gac aac aag aag agg aag aag aag tga cagctccggc cctgatccag gactgcaccc 2166 217 Asp Asn Lys Lys Arg Lys Lys * 218 705 710 220 caccccacc gtccagccat ccaacctcac ttcgccttac aggtctccat tttgtggtaa 2226 221 aaaaaggttt taggccaggc gccgtggctc acgcctgtaa tccaacctt ttgagaggctg 2286 222 aggcgggcgg atcacctgag tcaggagttc gagaccagcc tggccaacat ggtgaaacct 2346 223 ccgtctctat taaaaataca aaaattagcc gagagtggtg gcatgcacct gtcatccag 2406 224 ctactcggg gctgaggca ggagaatcgc ttgaacccgg gaggcagagg ttgcagtgag 2466 225 ccgagatcgc gccactgac tccaacctgg gtgaacagc tgtctccaa aacaaaaaaa 2526 226 acaaacaaaa agattttatt aaagatattt tgttaactca gtaaaaaaaa aaaaaaaaa 2526 228 <210 > SEQ ID NO: 2 229 <211 > LENGTH: 710 230 <212 > TYPE: PRT 231 <213 > ORGANISM: Homo sapiens 233 <400 > SEQUENCE: 2 244 Met Gly Gly Lys Gln Arg Asp Glu Asp Asp Glu Ala Tyr Gly Lys Pro 235 1 5 10 15 236 Val Lys Tyr Asp Pro Ser Phe Arg Gly Pro Ile Lys Asn Arg Ser Cys 237 20 25 238 Thr Asp Val Ile Cys Cys Val Leu Phe Leu Leu Phe Ile Leu Gly Tyr 239 35 40 40 45 240 Ile Val Val Gly Ile Val Ala Tyr Leu Tyr Gly Asp Pro Arg Gln Val 241 50 55 60 242 Leu Tyr Pro Arg Asn Ser Thr Gly Ala Tyr Cys Gly Met Gly Glu Asn 243 65 70 75 80 244 Lys Asp Lys Pro Tyr Leu Leu Tyr Phe Asn Ile Phe Ser Cys Ile Leu 245 85 90 95 246 Ser Ser Asn Ile Ile Ser Val Ala Glu Asn Gly Leu Gln Cys Pro Thr 247 100 105 110 248 Pro Gln Val Cys Val Ser Ser Cys Pro Glu Asp Pro Tyr Dru Tyr Gly Byr Pro Tyr	210				675					680					685			
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218	217	Asp A	Asn	Lys	Lys	Arg	Lys	Lys	*	_	_		_			_		
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VERIFICATION SUMMARY

DATE: 08/26/2004

PATENT APPLICATION: US/10/807,635A

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